

WHAT IS CLAIMED IS

1. A video switching device comprising:

a front-end processing chip transferring from analog to digital and demodulating Forward Error Connection (FEC);

10 a terminal processing chip being connected to the front-end processing chip for processing broadcast and transferring from digital to analog;

a digital image processing device being connected to the terminal processing chip for transferring received output image signals to digital output signals and demonstrating the digital output signals on a digital displaying device;

15 a digital image connecting means being an interface of demonstrating the digital output signals on a digital displaying device.

2. The video switching device of claim 1, wherein the digital image connecting means is a DVI connecting means.

3. The video switching device of claim 1, wherein the digital image processing device is a Silicon Image IC Sil164.

20 4. The video switching device of claim 1, wherein the video switching device further comprises an image processing means, a RF circuit, a set of S-video output terminals correspondingly and a RF output terminal connecting to at least one displaying device.

25 5. The video switching device of claim 4, wherein the video switching device further comprises a connecting detecting unit to detect specifications of the displaying device for determining a formation of the output signals.

6. The video switching device of claim 5, wherein the connecting detecting unit is one of the followings: a single and independent connecting component and a single function of the terminal processing united chips.

30 7. The video switching device of claim 1, wherein the video switching device further comprises at least one connecting port.

8. The video switching device of claim 7, wherein the connecting port is a game-controlling port.

9. The video switching device of claim 1, wherein the video switching device is one of the following: a mono-structure and a pinning groove.

- 5 10. The video switching device of claim 9, wherein connection between the video switching device and the digital displaying device is one of the following: a Universal Serial Bus (USB) and IEEE 1394.
11. The video switching device of claim 1, wherein the video switching device is connected to a computer by a pin fillister and a connecting channel.
- 10 12. The video switching device of claim 11, wherein the connecting channel is one of the following: a PCI interface and a Mini-PCI interface.

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